Kevin Steine Harris Jr.

CONTACT INFORMATION	Department of Mathematics Tacoma Community College Building F1, Room 33	kevinharris@kshmath.com www.kshmath.com www.linkedin.com/in/kevinharrismath

SKILLS

Software: LaTex, Macaulay2, Mathematica, R, RStudio, StatCrunch

Teaching: ALEKS, Blackboard, Canvas, Desmos, Geogebra, Limnu, McGraw-Hill Connect, Pearson, WAMAP

APPOINTMENTS

Mathematics Professor - Tenure Track, Tacoma Community College, 2022 –

Adjunct Mathematics Professor, Tarrant County College, 2020 – 2022

Graduate Teaching Assistant, The University of Texas at Arlington, 2018 – 2022

Graduate Assistant, Sam Houston State University, 2016 – 2018

EDUCATION

The University of Texas at Arlington Arlington, TX

❑ **Ph.D.**, Mathematics, 2022
❑ GPA: 3.80
- Dissertation Topic: Decomposition of modules and tensor products over principal subalgebras of truncated polynomial rings
- Advisor: David Jorgensen, PhD
- Graduate Teaching Assistantship
- Secretary, American Mathematical Society Graduate Chapter, 2019-2020

Sam Houston State University Huntsville, TX

❑ **M.S.** in Mathematics, 2018
❑ GPA: 3.50
- Research Topic: Continued fractions
- Advisor: Ken Smith, PhD
- Graduate Assistantship
- Parliamentarian, American Mathematical Society Graduate Chapter, 2017-2018

Texas Southern University Houston, TX

❑ **B.S.** in Mathematics, 2016
❑ GPA: 3.61

Houston Baptist University Houston, TX

❑ Mathematics, 2013 - 2014
❑ GPA: 3.89
- Assistant Sports Editor, Collegian

TEACHING EXPERIENCE

Mathematics Professor - Tenure Track, Tacoma Community College, 2022 –
- PreCalculus I

Fall 2022 - 60 students enrolled (2 sections)

- Calculus IV
    Fall 2022 - 22 students enrolled

Adjunct Instructor, Tarrant County College, 2020 – 2022
- Discrete Mathematics
    Spring 2022 - 20 students enrolled

- College Algebra
    Fall 2021 - 24 students enrolled

- Elementary Statistical Methods
    Spring 2021 (Co-requisite) - 13 students enrolled

- Math for Business and Social Sciences
    Fall 2021 (Co-requisite) - 25 students enrolled
    Summer 2021 (2 sections: 1 co-requisite and 1 standalone) - 45 students enrolled
    Fall 2020 - 27 students enrolled

- Pre-Calculus
    Fall 2020 - 25 students enrolled

Graduate Teaching Assistant, The University of Texas at Arlington, 2018 – 2022
❑ **Instructor of Record**

- Architectural Calculus
    Spring 2022 - 50 students enrolled

- Pre-Calculus
    Fall 2021 - 70 students enrolled

❑ **Lab Instructor**

- Calculus I
    Summer 2021 - 46 students enrolled
    Spring 2019 - 71 students enrolled
    Fall 2018 - 72 students enrolled

- Pre-Calculus
    Fall 2020 - 70 students enrolled
    Summer 2020 - 63 students enrolled
    Spring 2020 - 70 students enrolled
    Fall 2019 - 71 students enrolled

Aspire Teaching Fellowship, Tarrant County College, 2020
- Observed Calculus I lectures
- Recorded video lectures over implicit differentiation
- Developed discussion board questions for class collaboration

Graduate Assistant, Sam Houston State University, 2016 – 2018

❑ **Instructor of Record**
- PreCalculus Algebra, Fall 2017 - 35 students enrolled

❑ **Grader**
- Calculus III, Spring 2018
- Calculus II, Spring 2017
- Calculus I, Fall 2016

Summer Undergraduate Research Program, Texas Southern University

❑ **Teaching Assistant**
- Trigonometry, Summer 2015 - 20 students enrolled

INVITED TALKS

Decompositions of modules over principal subalgebras of truncated polynomial rings, Haynes-Granville-Browne Session of Presentations by Recent Doctoral Recipients, Joint Mathematics Meeting, 2023

Decompositions of modules over principal subalgebras of truncated polynomial rings, Homological Commutative Algebra and Related Talks, Georgia Southern University, 2022

Decompositions of modules over principal subalgebras of truncated polynomial rings, Joint Mathematics Meeting, 2022

Decompositions of modules over principal subalgebras of truncated polynomial rings (Poster), Southwest Local Algebra Meeting, Baylor University, 2022

Decompositions of modules over principal subalgebras of truncated polynomial rings, Commutative and Homological Algebra Market Presentations, 2022

Decompositions of modules over principal subalgebras of truncated polynomial rings (Poster), Blackwell-Tapia Conference, Mathematical Sciences Research Institute, 2021

Decompositions of modules over principal subalgebras of truncated polynomial rings, Graduate Algebra Symposium, 2021

Jordan blocks and permutations, Virtual Colloquium, Math SWAGGER, 2020

Introduction to continued fractions, Colloquium, Sam Houston State University, 2018

Dominance and periodicity of third-order maxilinear difference equations, Summer Undergraduate Research Program, Texas Southern University, 2015

HONORS AND AWARDS

Graduate Fellowship, Texas Space Grant Consortium, 2021

Dean's Excellence Scholarship, The University of Texas at Arlington, 2021

Rising Star, Mathematically Gifted and Black, 2021

Bridge Scholar, The University of Texas at Arlington, 2018–2020

Michael & Wanda Ray Math Scholar, The University of Texs at Arlington, 2018

A.S.P.I.R.E. Scholar, Sam Houston State University, 2016–2018

Outstanding Undergraduate Student, Texas Southern University, 2016

Taylor Award, Texas Southern University, 2015

Louis Stokes Alliance for Minority Participation Scholar, Texas Southern University, 2014–2016

President's Scholarship, Houston Baptist University, 2013–2014

WRITING
CONTRIBUTIONS

Building Gender and Sexuality Allyship in the Mathematics Community, Inclusion/Exclusion, AMS Blogs, 2020

SERVICE

Gulf States Math Alliance Conference, Virtual, 2022

❑ **Panelist**–What I Wish I Knew Before Graduate School
  - Provided advice, perspective and guidance about the experience of graduate school to approximately 50 future graduate students

National Association of Mathematicians Undergraduate MATHFest XXXI, Virtual, 2021

❑ **Panelist**–Graduate School Panel
  - Provided advice, perspective and guidance about the experience of graduate school to approximately 30 future graduate students

Center for Research on Teaching and Learning Graduate Student Conference, The University of Texas at Arlington, 2021

❑ **Panelist**–Graduate Teaching Assistant Panel Discussion
  - Provided insight to approximately 30 future graduate student assistants into the lifestyle of a GTA

Learning Resource Center, The University of Texas at Arlington, 2021

❑ **Mathematics Tutor**
  - Guided students in various subjects including, but not limited to, college algebra, trigonometry, statistics, precalculus, calculus (I, II and III), abstract algebra, differential equations, mathematical analysis, etc.

Makerspace Counselor, YMCA of Greater Houston, 2020

❑ Guided kids (ages 7-12) in STEM related activities such as robotics, coding, crafts, etc.

Gulf States Math Alliance Conference, The University of Texas at Arlington, 2019

❑ **Panelist**–UTA Bridge Program
  - Provided insight to approximately 50 future graduate students about the benefits

of the Bridge Program at UTA

❑ **Moderator**–Graduate Student Panel Discussion
  - Led a discussion over life as a graduate student, both at UTA and in general, to approximately 50 future graduate students

Calculus Bowl Volunteer, The University of Texas at Arlington, 2019

❑ **Room Monitor**
  - Overseeing the room to ensure fairness amongst approximately 200 high school competitors

Mathematics Tutor, Texas Southern University, 2015–2016

❑ Various mathematical subjects including, but not limited to, college algebra, trigonometry, statistics, precalculus, calculus (I, II and III), linear algebra, abstract algebra, etc.

ATTENDED CONFERENCES AND WORKSHOPS

Homological Commutative Algebra and Related Talks, Georgia Southern University, 2022

Joint Mathematics Meeting, Virtual, 2022

Southwest Local Algebra Meeting, Baylor University, 2022

Gulf States Math Alliance Conference, Virtual, 2022

Blackwell-Tapia Conference, Mathematical Sciences Research Institute, 2021

Graduate Algebra Symposium, Virtual, 2021

National Association of Mathematicians Undergraduate MATHFest XXXI, Virtual, 2021

Center for Research on Teaching and Learning Graduate Student Conference, The University of Texas at Arlington, 2021

Free Resolutions and Representation Theory (ICERM), Virtual, 2020

Math Summer Workshop for Achieving Greater Graduate Education Readiness, Virtual, 2020

Southwest Local Algebra Meeting, Tulane University, 2020

Southwest Local Algebra Meeting, The University of Texas at El Paso, 2019

Gulf States Math Alliance Conference, The University of Texas at Arlington, 2019

Field of Dreams Conference, Washington University, 2018

Field of Dreams Conference, Washington University, 2017

AFFILIATIONS   American Mathematical Society (AMS)

Math Alliance : National Alliance for Doctoral Studies in the Mathematical Sciences

National Association of Mathematicians (NAM)